

Exhibit A
Sequence Alignment

		1	50
HInchey	(1)	CCATGGTCCGTACCTTCCCCTGCCTGCACGAAATGAACCGACCTGTTGCG	
Muhitch	(1)	-----	
Consensus	(1)		
		51	100
HInchey	(51)	TACAGACATTTTCGTGCGAAATGGTTCTTCTTACGCTGAGCCTGTGTAAATC	
Muhitch	(1)	-----	
Consensus	(51)		
		101	150
HInchey	(101)	CAGGTTCTGGGATTGAGCAGGAGTACACCCTTCTCCAGAAGGACACCAAGT	
Muhitch	(1)	-----	
Consensus	(101)		
		151	200
HInchey	(151)	GGCCTCTCGGTTGGCCGCTGGGCGGCTACCCCTGGCCCTCAGGTAGATTAG	
Muhitch	(1)	-----	
Consensus	(151)		
		201	250
HInchey	(201)	ATGGATCTGCGTGCCTCCAGGCTCCAGCCATATCGATGGCTTTGATCAGC	
Muhitch	(1)	-----	
Consensus	(201)		
		251	300
HInchey	(251)	TGACCGAATGATCCTGGCAGGGACCTTACTACTGCGCCGTCGGAGCGGAC	
Muhitch	(1)	-----	
Consensus	(251)		
		301	350
HInchey	(301)	AAGTCCTACGGGCGGGACATCGTGGACGCGCACTACAAGGCCTGCCTCTA	
Muhitch	(1)	-----	
Consensus	(301)		
		351	400
HInchey	(351)	CGCCGGCATCGACATCAGTGGCATCAACGGGGAGGTCATGCCGGGGCAGG	
Muhitch	(1)	-----	
Consensus	(351)		
		401	450
HInchey	(401)	TACAGCGTGCTGCTCTAGCTACCTTGTCTTTAACTGCACACTGCACTCTG	
Muhitch	(1)	-----	
Consensus	(401)		
		451	500
HInchey	(451)	CACACTGCACAGCTAGTAGTATGCTGCTATCTCTGCTGACCCAGGCTTGT	
Muhitch	(1)	-----	
Consensus	(451)		
		501	550
HInchey	(501)	TCGTGGACAGTGGGAGTTCCAGGTCGGCCCTGCCGTCGGCGTCTCGGCCG	
Muhitch	(1)	-----	
Consensus	(501)		
		551	600
HInchey	(551)	GCGACAGCTTGGGTGGGCTCGCTACATTCTTGAGGAAAACGGTAGACCTG	
Muhitch	(1)	-----	
Consensus	(551)		
		601	650
HInchey	(601)	CCCCCTGCCGGCTGTGTTTCGGTTCTTCTTCCGCCGAGACATGGCGTGCTT	
Muhitch	(1)	-----	
Consensus	(601)		
		651	700
HInchey	(651)	TGGCAACTTTGCCGTGTCAGTGTGTTTGGCTGATGAGACGTGTCCTTTCC	

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1	CTMS	1

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A DOCPHOENIX

APPL PARTS

IMIS
Internal Misc. Paper

LET
Misc. Incoming Letter

371P
PCT Papers in a 371 Application

A...
Amendment Including Elections

ABST
Abstract

ADS
Application Data Sheet

AF/D
Affidavit or Exhibit Received

APPENDIX
Appendix

ARTIFACT
Artifact

BIB
Bib Data Sheet

CLM
Claim

COMPUTER
Computer Program Listing

CRFL
All CRF Papers for Backfile

DIST
Terminal Disclaimer Filed

DRW
Drawings

FOR
Foreign Reference

FRPR
Foreign Priority Papers

IDS
IDS Including 1449

NPL
Non-Patent Literature

OATH
Oath or Declaration

PET.
Petition

RETMAIL
Mail Returned by USPS

SEQLIST
Sequence Listing

SPEC
Specification

SPEC NO
Specification Not in English

TRNA
Transmittal New Application

CTNF
Count Non-Final

CTRS
Count Restriction

EXIN
Examiner Interview

M903
DO/EO Acceptance

M905
DO/EO Missing Requirement

NFDR
Formal Drawing Required

NOA
Notice of Allowance

PETDEC
Petition Decision

OUTGOING

18-12-01 CTMS
Misc. Office Action

1449
Signed 1449

892
892

ABN
Abandonment

APDEC
Board of Appeals Decision

APEA
Examiner Answer

CTAV
Count Advisory Action

CTEQ
Count Ex parte Quayle

CTFR
Count Final Rejection

INCOMING

AP.B
Appeal Brief

C.AD
Change of Address

N/AP
Notice of Appeal

PA..
Change in Power of Attorney

REM
Applicant Remarks in Amendment

XT/
Extension of Time filed separate

Internal

SRNT
Examiner Search Notes

CLMPTO
PTO Prepared Complete Claim Set

ECBOX
Evidence Copy Box Identification

WCLM
Claim Worksheet

WFEE
Fee Worksheet

File Wrapper

FWCLM
File Wrapper Claim

IIFW
File Wrapper Issue Information

SRFW
File Wrapper Search Info